



Table des Matières

Neuvième série – Tome 83

On rigid and infinitesimal rigid displacements in shell theory, by P.G. CIARLET and C. MARDARE	1
A stability theory for second-order nonsmooth dynamical systems with application to friction problems, by S. ADLY and D. GOELEN	17
On the generalized Dirichlet problem for viscous Hamilton–Jacobi equations, by G. BARLES and F. DA LIO	53
On the nonlinear Schrödinger dynamics on S^2 , by V. BANICA	77
L’indice de Maslov généralisé, par J.-L. CLERC	99
Etude des problèmes elliptiques non-linéaires du quatrième ordre avec exposants critiques sur les variétés riemanniennes compactes, par D. CARAFFA	115
Commutativité des opérateurs différentiels sur l’espace des représentations restreintes d’un groupe de Lie nilpotent, par A. BAKLOUTI et H. FUJIWARA	137
Étude asymptotique pour les fluides anisotropes en rotation rapide dans le cas périodique, par M. PAICU	163
Unique solvability of the initial boundary value problems for compressible viscous fluids, by Y. CHO, H.J. CHOE and H. KIM	243
Well-posedness results for the generalized Benjamin–Ono equation with small initial data, by L. MOLINET and F. RIBAUD	277
Oscillation of Fourier integrals with a spectral gap, by A. EREMENKO and D. NOVIKOV	313
Oscillating singularities in Besov spaces, by C. MELOT	367
Real interpolation and closed operator ideals, by F. COBOS, L.M. FERNÁNDEZ-CABRERA, A. MANZANO and A. MARTÍNEZ	417
Existence and stability analysis of asymmetric patterns for the Gierer–Meinhardt system, by J. WEI and M. WINTER	433

The inviscid limit of the derivative complex Ginzburg–Landau equation, by W. BAOXIANG and W. YOUDE	477
No-regret distributed control of system governed by quasilinear elliptic equations with incomplete data: the degenerate case, by J. VELIN	503
Geodesics and the Einstein nonlinear wave system, by D.M.A. STUART	541
Eigenvalue asymptotics for the Schrödinger operators on the real and the complex hyperbolic spaces, by Y. INAHAMA and S. SHIRAI	589
On the variational mechanics with non-linear constraints, by G. TERRA and M.H. KOBAYASHI	629
On the stability of global solutions to Navier–Stokes equations in the space, by P. AUSCHER, S. DUBOIS and P. TCHAMITCHIAN	673
Hyperbolic conormal spaces and semilinear wave equation, by D. FANG, G. LASCHON, A. PIRIOU and J.P. VARENNE	699
Uniqueness and layer analysis for boundary blow-up solutions, by Y. DU and Z. GUO	739
Existence of vortex-free solutions in the Painlevé boundary layer of a Bose–Einstein condensate, by A. AFTALION and X. BLANC	765
Corrigendum to anomalous singularities of semilinear nonstrictly hyperbolic system, by I. V. IORDANOV	803
Recovery of a manifold with boundary and its continuity as a function of its metric tensor, by P.G. CIARLET and C. MARDARE	811
Uniformly effective Shafarevich Conjecture on families of hyperbolic curves over a curve with prescribed degeneracy locus, by G. HEIER	845
A Paley–Wiener theorem for the Θ -hypergeometric transform: the even multiplicity case, by G. ÓLAFSSON and A. PASQUALE	869
An approximation result for special functions with bounded deformation, by A. CHAMBOLLE	929
Canonical Brownian motion on the space of univalent functions and resolution of Beltrami equations by a continuity method along stochastic flows, by H. AIRAULT, P. MALLIAVIN and A. THALMAIER	955
Construction of periodic solutions of nonlinear wave equations with Dirichlet boundary conditions by the Lindstedt series method, by G. GENTILE and V. MASTROPIETRO	1019
Remarks on lower bounds for pseudo-differential operators, by F. NICOLA and L. RODINO	1067
Mean value surfaces with prescribed curvature form, by H. HEDENMALM and Y. PERDOMO G.	1075
Majorations du type $\sup u \times \inf u \leq c$ pour l'équation de la courbure scalaire prescrite sur un ouvert de \mathbb{R}^n , $n \geq 3$, par S.S. BAHOURA	1109

Singular Cauchy problems for quasilinear equations of order two, by K. UCHIKOSHI	1151
Superradiance and scattering of the charged Klein–Gordon field by a step-like electrostatic potential, by A. BACHELOT	1179
Nonlinear Hartree equation as the mean field limit of weakly coupled fermions, by A. ELGART, L. ERDŐS, B. SCHLEIN and H.-T. YAU	1241
Asymptotic profiles of solutions to viscous Hamilton–Jacobi equations, by S. BENACHOUR, G. KARCH and PH. LAURENÇOT	1275
A real space method for averaging lemmas, by P.-E. JABIN and L. VEGA	1309
Estimates of the transition density of a gas system, by A. DERMOUNE and S. FILALI	1353
Convexity inequalities and optimal transport of infinite-dimensional measures, by A.V. KOLESNIKOV	1373
The Brezis–Nirenberg problem near criticality in dimension 3, by M. DEL PINO, J. DOLBEAULT and M. MUSSO	1405
Asymptotic behavior of solutions of the Cauchy problem for Burgers type equations, by G.M. HENKIN and A.A. SHANANIN	1457
Local exact controllability of the Navier–Stokes system, by E. FERNÁNDEZ-CARA, S. GUERRERO, O.YU. IMANUVILOV and J.-P. PUEL	1501
Table des Matières, Neuvième série – Tome 83	1543
Index des Auteurs, Neuvième série – Tome 83	1547